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RAW SEQUENCE LISTING   DATE: 01/26/2002
PATENT APPLICATION: US/09/826,581   TIME: 16:32:24

Input Set : A:\11145-007001.txt
Output Set: N:\CRF3\01262002\I826581.raw

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 4 <110> APPLICANT: Andersson, Leif
 5        Luthman, L. Holger
 6        Marklund, Stefan
 8 <120> TITLE OF INVENTION: VARIANTS OF THE HUMAN AMP-ACTIVATED PROTEIN KINASE GAMMA 3
SUBUNIT
10 <130> FILE REFERENCE: 11145-007001
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35 cacgggctgt gaatgtgtgt gtgggcgtgt gtgtcttctg gtgtgtgttt ggtctggatt     480
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54 tggcctcagt ctccctacat agtagagaac aaggcactgc agtgccagag gccagcatgg     360
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125 ccaatgaagg gaactggaga actcagcctt catcttcccc cacccccatt tgctggttca    960
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142 acc cct tcc tgg agc agc ctt ggg ggt tct gag cat caa gag atg agc    100
143 Thr Pro Ser Trp Ser Ser Leu Gly Gly Ser Glu His Gln Glu Met Ser
144         15                  20                  25
146 ttc cta gag caa gaa aac agc agc tca tgg cca tca cca gct gtg acc    148
147 Phe Leu Glu Gln Glu Asn Ser Ser Ser Trp Pro Ser Pro Ala Val Thr
148         30                  35                  40
150 agc agc tca gaa aga atc cgt ggg aaa cgg agg gcc aaa gcc ttg aga    196
151 Ser Ser Ser Glu Arg Ile Arg Gly Lys Arg Arg Ala Lys Ala Leu Arg
152     45                  50                  55
154 tgg aca agg cag aag tcg gtg gag gaa ggg gag cca cca ggt cag ggg    244
155 Trp Thr Arg Gln Lys Ser Val Glu Glu Gly Glu Pro Pro Gly Gln Gly
156 60                  65                  70                      75
159 gaa ggt ccc cgg tcc agg cca gct gct gag tcc acc ggg ctg gag gcc    292
160 Glu Gly Pro Arg Ser Arg Pro Ala Ala Glu Ser Thr Gly Leu Glu Ala
161         80                  85                  90
163 aca ttc ccc aag acc aca ccc ttg gct caa gct gat cct gcc ggg gtg    340
164 Thr Phe Pro Lys Thr Thr Pro Leu Ala Gln Ala Asp Pro Ala Gly Val
165         95                  100                 105
167 ggc act cca cca aca ggg tgg gac tgc ctc ccc tct gac tgt aca gcc    388
168 Gly Thr Pro Pro Thr Gly Trp Asp Cys Leu Pro Ser Asp Cys Thr Ala
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171 tca gct gca ggc tcc agc aca gat gat gtg gag ctg gcc acg gag ttc    436
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175 cca gcc aca gag gcc tgg gag tgt gag cta gaa ggc ctg ctg gaa gag     484
176 Pro Ala Thr Glu Ala Trp Glu Cys Glu Leu Glu Gly Leu Leu Glu Glu
177 140             145                 150                 155
179 agg cct gcc ctg tgc ctg tcc ccg cag gcc cca ttt ccc aag ctg ggc     532
180 Arg Pro Ala Leu Cys Leu Ser Pro Gln Ala Pro Phe Pro Lys Leu Gly
181             160                 165                 170
183 tgg gat gac gaa ctg cgg aaa ccc ggc gcc cag atc tac atg cgc ttc     580
184 Trp Asp Asp Glu Leu Arg Lys Pro Gly Ala Gln Ile Tyr Met Arg Phe
185             175                 180                 185
187 atg cag gag cac acc tgc tac gat gcc atg gca act agc tcc aag cta     628
188 Met Gln Glu His Thr Cys Tyr Asp Ala Met Ala Thr Ser Ser Lys Leu
189         190                 195                 200
191 gtc atc ttc gac acc atg ctg gag atc aag aag gcc ttc ttt gct ctg     676
192 Val Ile Phe Asp Thr Met Leu Glu Ile Lys Lys Ala Phe Phe Ala Leu
193     205                 210                 215
195 gtg gcc aac ggt gtg cgg gca gcc cct cta tgg gac agc aag aag cag     724
196 Val Ala Asn Gly Val Arg Ala Ala Pro Leu Trp Asp Ser Lys Lys Gln
197 220             225                 230                 235
199 agc ttt gtg ggg atg ctg acc atc act gac ttc atc ctg gtg ctg cat     772
200 Ser Phe Val Gly Met Leu Thr Ile Thr Asp Phe Ile Leu Val Leu His
201             240                 245                 250
203 cgc tac tac agg tcc ccc ctg gtc cag atc tat gag att gaa caa cat     820
204 Arg Tyr Tyr Arg Ser Pro Leu Val Gln Ile Tyr Glu Ile Glu Gln His
205             255                 260                 265
207 aag att gag acc tgg agg gag atc tac ctg caa ggc tgc ttc aag cct     868
208 Lys Ile Glu Thr Trp Arg Glu Ile Tyr Leu Gln Gly Cys Phe Lys Pro
209         270                 275                 280
212 ctg gtc tcc atc tct cct aat gat agc ctg ttt gaa gct gtc tac acc     916
213 Leu Val Ser Ile Ser Pro Asn Asp Ser Leu Phe Glu Ala Val Tyr Thr
214     285                 290                 295
216 ctc atc aag aac cgg atc cat cgc ctg cct gtt ctt gac ccg gtg tca     964
217 Leu Ile Lys Asn Arg Ile His Arg Leu Pro Val Leu Asp Pro Val Ser
218 300                 305                 310                 315
220 ggc aac gta ctc cac atc ctc aca cac aaa cgc ctg ctc aag ttc ctg    1012
221 Gly Asn Val Leu His Ile Leu Thr His Lys Arg Leu Leu Lys Phe Leu
222             320                 325                 330
224 cac atc ttt ggt tcc ctg ctg ccc cgg ccc tcc ttc ctc tac cgc act    1060
225 His Ile Phe Gly Ser Leu Leu Pro Arg Pro Ser Phe Leu Tyr Arg Thr
226             335                 340                 345
228 atc caa gat ttg ggc atc ggc aca ttc cga gac ttg gct gtg gtg ctg    1108
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230             350                 355                 360
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233 Glu Thr Ala Pro Ile Leu Thr Ala Leu Asp Ile Phe Val Asp Arg Arg
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236 gtg tct gca ctg cct gtg gtc aac gaa tgt ggt cag gtc gtg ggc ctc    1204
237 Val Ser Ala Leu Pro Val Val Asn Glu Cys Gly Gln Val Val Gly Leu
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242             400                  405                  410
244 cac ctg gac atg agt gtg gga gaa gcc ctg agg cag agg aca cta tgt    1300
245 His Leu Asp Met Ser Val Gly Glu Ala Leu Arg Gln Arg Thr Leu Cys
246             415                  420                  425
248 ctg gag gga gtc ctt tcc tgc cag ccc cac gag agc ttg ggg gaa gtg    1348
249 Leu Glu Gly Val Leu Ser Cys Gln Pro His Glu Ser Leu Gly Glu Val
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252 atc gac agg att gct cgg gag cag gta cac agg ctg gtg cta gtg gac    1396
253 Ile Asp Arg Ile Ala Arg Glu Gln Val His Arg Leu Val Leu Val Asp
254         445                  450                  455
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258 460                  465                  470                  475
260 gca ctg gtg ctc agc cct gct ggc atc gat gcc ctc ggg gcc            1486
261 Ala Leu Val Leu Ser Pro Ala Gly Ile Asp Ala Leu Gly Ala
262             480                  485
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280         35                  40                  45
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282     50                  55                  60
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284 65                  70                  75                  80
285 Arg Pro Ala Ala Glu Ser Thr Gly Leu Glu Ala Thr Phe Pro Lys Thr
286                 85                  90                  95
287 Thr Pro Leu Ala Gln Ala Asp Pro Ala Gly Val Gly Thr Pro Pro Thr
288             100                 105                 110
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290         115                 120                 125
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292     130                 135                 140
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